CONTENTS OF *LIVESTOCK PRODUCTION SCIENCE* VOLUME 18

VOL. 18 No. 1 JANUARY 1988

Publisher's Note v

The performance of Jersey cows and cows of larger dairy breeds on two complete diets with different roughage contents
J.K. Oldenbroek (Zeist, The Netherlands) 1

Effects of incomplete records on genetic parameters among cumulative yields in first lactation and one extension of part lactations
J.B.M. Wilmink (Arnhem, The Netherlands) 19

The genetic relationship between ovulation rate and testicular diameter in a random-breeding Merino flock
I.W Purvis, L.R. Piper, T.N. Edey (Armidale, N.S.W., Australia) and R.J. Kilgour (Trangie, N.S.W., Australia) 35

Skatole, androstenone and taint in boars fed two different diets
K. Lundström, B. Malmfors, G. Malmfors, S. Stern, H. Petersson (Uppsala, Sweden), A.B. Mortensen and S.W. Sørensen (Roskilde, Denmark) 55

Optimum structure for genetic improvement of Angora rabbits
S.B.S. Yadav and L. Dempfle (Freising-Weihenstephan, F.R.G.) 69

Short Communication

Application of bending theory in a pig-breeding situation
T.H.E. Meuwissen and E. Kanis (Wageningen, The Netherlands) 85

News and Announcements 93

Guide to Authors 95

VOL. 18 No. 2 FEBRUARY 1988

Testing of different strains of Friesian cattle in Poland. III. Milk performance of the strain backcrosses under intensive feeding conditions
H. Jasiorowski, R. Grabowski (Warsaw, Poland), Z. Reklewski, M. Lukaszewicz (Jastrzębiec, Poland) and M. Stolzman (Korotynskiego, Poland) 101

Inheritance of somatic cell count and its genetic relationship with milk yield in different parities
H.C.M. Heuven, H. Bovenhuis and R.D. Politiek (Wageningen, The Netherlands) 115

Genotype × environment interactions in pig breeding programmes. III. Environmental effects and genetic parameters in on-farm test
J.W.M. Merks (Zeist, The Netherlands) 129

Joint effects of fraternity size, plane of nutrition and nursing schedule on pig growth from birth to 20 weeks of age
H.L. Chang, D. Gianola, R.A. Easter, L.H. Thompson and S.A. Williamson (Urbana, IL, U.S.A.) 141
The effect of including various structural polysaccharides in pig diets on ileal and faecal digestibility of amino acids and minerals
L.A. den Hartog, J. Huisman, W.J.G. Thielen, G.H.A. van Schayk, H. Boer, J. Huisman and E.J. van Weerden (Wageningen, The Netherlands) 157
Meat quality as influenced by halothane sensitivity and ultimate pH in three porcine breeds
P. Sellier, A. Mejenes-Quijano, G. Monin (Theix, France), P. Marinova, A. Talmant (Kostinbrod, Bulgaria) and B. Jacquet (Maisons-Alfort, France) 171
Use of erythrocyte fragility and plasma CPK activity for the prediction of pork quality
C.J. Somers, P. McGloughin and P.V. Tarrant (Dublin, Ireland) 187

News and Announcements 195

Vol. 18 Nos. 3–4 JUNE 1988

Application of monoclonal antibodies production: a review
P. Booman (Zeist, The Netherlands) 199
Comparison of ten Friesian strains in Poland under field conditions. I. Strain comparison for growth rate
M. Stolzman, H. Jasiorowski, Z. Reklewski, A. Zarnecki and G. Kalinowska (Balice, Poland) 217
An economic comparison of four insemination and culling policies in dairy herds, by method of stochastic simulation
A.A. Dijkhuizen (Wageningen, The Netherlands) and J. Stelwagen (Utrecht, The Netherlands) 239
Review of physiological and anatomical factors influencing the milking ability of ewes and the organization of milking
J. Labussière (Rennes, France) 253
Growth and carcass quality of crossbred pigs sired by Duroc, Landrace and Large White boars
P. McGloughlin, P. Allen, P.V. Tarrant and R.L. Joseph (Dublin, Eire), P.B. Lynch and T.J. Hanrahan (Cork, Eire) 275
Relationships between energy intake and protein and energy metabolism, growth and body composition of pigs kept at 14 or 32 °C from 9 to 20 kg
R.G. Campbell and M.R. Taverner (Werribee, Vic., Australia) 289

Short Communication
Operator and machine effects on ultrasonic measurements of beef cows
D.R.C. Bailey, T. Entz (Lethbridge, Alb., Canada), H.T. Fredeen (Lacombe, Alb., Canada) and G.W. Rahnefeld (Brandon, Man., Canada) 305

Letter to the Editor 311

Book Review
Animal Nutrition 315

E.A.A.P. News
The E.A.A.P. Annual Meeting in Portugal, 1987 317
Papers presented in the study commissions at the 38th Annual Meeting of the E.A.A.P. in Lisbon, Portugal, 1987 333

News and Announcements 359

Erratum 363

Author Index 365

Subject Index 369